0022

gf C/007/041 Incoming
cc: Pete
Steve C.

State of Utah
JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

Department of
Environmental Quality

Richard W. Sprott
Executive Director

DIVISION OF WATER QUALITY
Walter L. Baker, P.E.
Director

August 28, 2008

Mr. Dave Shaver, West Ridge Mine
West Ridge Resources, Inc.
794 North "C" Canyon Road
P.O. Box 1077
Price, UT 84501

Subject: Inspection Reports – UPDES Permit Nos. UT0025674 & UT0025640.

Dear Mr. Shaver:

On August 26, 2008 I met with your authorized agent, Ms. Karla Knoop and conducted compliance sampling and reconnaissance inspections in regards to your UPDES Permit facilities referenced above. Specifically we discussed the facility operations as it relates to your UPDES Permit. An accompanying tour of the facility, including the outfalls, sedimentation ponds and receiving waters was also conducted. No deficiencies were noted during the inspections and no written response is required at this time.

Enclosed are copies of the inspection reports for your records. I appreciate the efforts to facilitate the inspections and keep me informed of the operations. If you have any questions, please contact me at (801) 538-6779 or by e-mail at jstudenka@utah.gov.

Sincerely,

Jeff Studenka, Environmental Scientist
UPDES IES Section

Enclosures

cc (w/encl): Jennifer Meints, EPA Region VIII
Claron Bjork, SE District Health Department
Dave Ariotti, SE District Engineer
Daron Haddock, Division of Oil Gas & Mines

F:\wp\Genwal-Westridge Mines\West Ridge Mine\Aug2008Inspectionscovltr.doc

RECEIVED
SEP 08 2008
DIV. OF OIL, GAS & MINING

288 North 1460 West • Salt Lake City, UT
Mailing Address: P.O. Box 144870 • Salt Lake City, UT 84114-4870
Telephone (801) 538-6146 • Fax (801-538-6016 • T.D.D. (801) 536-4414
www.deq.utah.gov

United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding *(i.e., ICIS)*

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac. Type
N	UT0025674	080826	S	S	2
1 2	3 11	12 17	18	19	20

Remarks (21 66)

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved
2	4	N	N	
67 69	70	71	72	73 74 / 75 80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*

ANDALEX Centennial Mines Project
~8 miles NE of Price, UT on Airport Road
P.O. Box 902
Price, UT 84501

Entry Time/ Date	Permit Effective Date
9:10 am/8-26-2008	12-1-2006
Exit Time/ Date	**Permit Expiration Date**
9:50 am/8-26-2008	11-30-2011

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

Karla Knoop, Hydrologist & Authorized Agent
jbr Environmental Consultants, Inc.
phone (435) 637-9645
fax (435) 637-8679

Other Facility Data *(e.g., SIC NAICS, and other descriptive information)*

Bituminous Coal Underground Mining Facility
SIC Code 1222
NAICS 212112

SEE ATTACHED

Name, Address of Responsible Official/Title/Phone and Fax Number

Bruce Hill, President
UtahAmerican Energy, Inc.
P.O. Box 1077
Price, UT 84501
(435) 888-4008

Contacted

☐ Yes ☒ No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

☒ Permit	☒ Self Monitoring Program	☐ Pretreatment	☐ MS4
☒ Records/Reports	☐ Compliance Schedule	☐ Pollution Prevention	
☒ Facility Site Review	☐ Laboratory	☐ Storm Water	
☒ Effluent/Receiving Waters	☒ Operations & Maintenance	☐ Combined Sewer Overflow	
☐ Flow Measurement	☐ Sludge Handling/Disposal	☐ Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes	SEV Description

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Number(s)	Date:
JEFF STUDENKA, ENVIRONMENTAL SCIENTIST Jeff Studenka	DWQ (801) 538-6779	8-28-08
Name and Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Number(s)	Date:
MIKE HERKIMER, MANAGER UPDES IES SECTION Mike Herkimer	DWQ (801) 538-6058	9/2/08

INSTRUCTIONS

Section A: National Data System Coding *(i.e., ICIS)*

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc. *(Use the Remarks columns to record the State permit number, if necessary.)*

Columns 12-17: Inspection Date. Insert the date entry was made intothe facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describethe type of inspection:

A	Performance Audit	X	Toxics Inspection	6	IU Non-Sampling Inspection with Pretreatment
B	Compliance Biomonitoring	Z	Sludge - Biosolids	7	IU Toxics with Pretreatment
C	Compliance Evaluation (non-sampling)	#	Combined Sewer Overflow-Sampling	!	Pretreatment Compliance (Oversight)@ Follow-up (enforcement)
D	Diagnostic	$	Combined Sewer Overflow-Non-Sampling	{	Storm Water-Construction-Sampling
F	Pretreatment (Follow-up)	+	Sanitary Sewer Overflow-Sampling	}	Storm Water-Construction-Non-Sampling
G	Pretreatment (Audit)	&	Sanitary Sewer Overflow-Non-Sampling	:	Storm Water-Non-Construction-Sampling
I	Industrial User (IU) Inspection	\	CAFO-Sampling	~	Storm Water-Non-Construction-Non-Sampling
J	Complaints	=	CAFO-Non-Sampling	<	Storm Water-MS4-Sampling
M	Multimedia	2	IU Sampling Inspection	-	Storm Water-MS4-Non-Sampling
N	Spill	3	IU Non-Sampling Inspection	>	Storm Water-MS4-Audit
O	Compliance Evaluation (Oversight)	4	IU Toxics Inspection		
P	Pretreatment Compliance Inspection	5	IU Sampling Inspection with Pretreatment		
R	Reconnaissance				
S	Compliance Sampling				
U	IU Inspection with Pretreatment Audit				

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A-	State (Contractor)	O-	Other Inspectors, Federal/EPA (Specify in Remarks columns)
B-	EPA (Contractor)	P-	Other Inspectors, State (Specify in Remarks columns)
E-	Corps of Engineers	R-	EPA Regional Inspector
J-	Joint EPA/State Inspectors—EPA Lead	S-	State Inspector
L-	Local Health Department (State)	T-	Joint State/EPA Inspectors—State lea
N-	NEIC Inspectors		

Column 20: Facility Type. Use one of the codes below to describe the facility.

1- Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
2- Industrial. Other than municipal, agricultural, and Federal facilities.
3- Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
4- Federal. Facilities identified as Federal by the EPA Regional Office.
5- Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and thebilled payroll time for travel and pre and post inspection preparation. This estimate does not requiredetailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as follow-up on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

INSPECTION PROTOCOL

UPDES Permit #: UT0025674 - Andalex Tower Mine
Inspection Type: Compliance Sampling Inspection
Inspection Date: August 26, 2008

Jeff Studenka of the Division of Water Quality (DWQ) met with Karla Knoop at the UtahAmerian Energy, Inc., ANDALEX Resources Centennial Mines Project Facility. The purpose for the site visit was to perform an inspection prior to the facility ceasing discharge in the near future. DWQ sampling crew, A. Hultquist and A. Anderson, arrived on site and collected discharge compliance samples from Outfall 004 for TDS, TSS, iron, and oil & grease. Instantaneous pH was measured at 7.9 s.u. Results will be compared with the August DMR submittal.

FACILITY DESCRIPTION

Location: Approximately 8 miles NE of Price, Utah on Airport Road.
Coordinates: Outfall 001 (sed. pond) – 39° 43' 37" latitude, -110° 43' 18" longitude
Outfall 002 (mine water) – 39° 43' 49" latitude, -110° 43' 18" longitude
Outfall 003 (sed. pond) – 39° 43' 25" latitude, -110° 43' 18" longitude
Outfall 004 (mine water) – 39° 42' 10" latitude, -110° 44' 20" longitude

Average Flow: 0.7 MGD from outfall 004 (No Discharge from 001, 002, 003)

Receiving water: Deadman Canyon ephemeral drainage → Hayes Wash → Price River.

Process: Until earlier in the summer, this was an active underground coal mining operation utilizing long-wall technology. Water from the mine is conveyed to a below ground settling pond and pump station, where it is then piped out of the mine from three pump stations and discharged to Deadman Canyon drainage (Outfall 004). Surface water runoff is conveyed to two above ground settling ponds (001 & 003) that have not discharged to date and are not expected to discharge in the foreseeable future. Outfall 002 has not discharge in many years and it is not expected to discharge in the foreseeable future. The current inactive mine is scheduled to shut off the discharge pumps and seal the mine portals in the coming weeks.

INSPECTION SUMMARY

There were no deficiencies noted during the last inspection for follow up, however there have been several iron exceedences in the mine water discharge in recent months as equipment and supplies are removed from the mine prior to shut down. The outfall locations and sedimentation ponds were observed as well as the receiving water drainage of Deadman Canyon. The discharge was flowing mostly clear and steady at the time of the inspection. There were no deficiencies observed.

DEFICIENCIES

None.

REQUIREMENTS

None.

United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding *(i.e., ICIS)*

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac. Type
N	UT0025640	080826	R	S	2
1 2	3 11	12 17	18	19	20

Remarks

21 66

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved
2	4	N	N	
67 69	70	71	72	73 74 / 75 80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*

West Ridge Resources, West Ridge Mine
794 North "C" Canyon Road, Carbon County, UT

Entry Time/ Date	Permit Effective Date
10:40 am/ 8-26-2008	5-1-2006
Exit Time/ Date	**Permit Expiration Date**
11:15 am/8-26-2008	4-30-2011

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

Karla Knoop, Hydrologist & Authorized Agent
jbr Environmental Consultants, Inc.
phone (435) 637-9645
fax (435) 637-8679

Other Facility Data *(e.g., SIC NAICS, and other descriptive information)*

Bituminous Coal Underground Mining Facility
SIC Code 1222
NAICS 212112

SEE ATTACHED

Name, Address of Responsible Official/Title/Phone and Fax Number

Bruce Hill, President and CEO
UtahAmerican Energy, Inc.
P.O. Box 1077
Price, UT 84501
(435) 888-4000

Contacted

☐ Yes ☒ No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

☒ Permit	☒ Self Monitoring Program	☐ Pretreatment	☐ MS4
☒ Records/Reports	☐ Compliance Schedule	☐ Pollution Prevention	
☒ Facility Site Review	☐ Laboratory	☐ Storm Water	
☒ Effluent/Receiving Waters	☒ Operations & Maintenance	☐ Combined Sewer Overflow	
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MIKE HERKIMER, MANAGER UPDES IES SECTION Mike Herkimer	DWQ (801) 538-6058	9/2/08

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INSPECTION PROTOCOL

UPDES Permit #: UT0025640 - West Ridge Mine
Inspection Type: Reconnaissance Inspection
Inspection Date: August 26, 2008

Jeff Studenka of the Division of Water Quality (DWQ) met with Karla Knoop at the UtahAmerican Energy, Inc., West Ridge Mine (West Ridge) facility. The purpose for the site visit was to perform a reconnaissance inspection while in the area.

FACILITY DESCRIPTION

Location: 794 North "C" Canyon Road, near East Carbon, Utah
Coordinates: Outfall 001 – 39° 36' 45" North latitude, 110° 26' 26" West longitude
Outfall 002 – 39° 36' 58" North latitude, 110° 26' 10" West longitude

Average Flow: ~ 0.9 MGD (Outfall 002, mine water discharge)

Receiving water: "C" Canyon Ephemeral Drainage → Grassy Trail Creek

Process: Underground coal mining operation utilizing long-wall technology. Water from the mine is conveyed to a below ground collection area, where it is then continuously pumped out of the mine and discharged to the surface via Outfall 002. Surface water runoff is conveyed to an above ground settling pond system with a single discharge point (Outfall 001). Outfall 001 has not discharged to date.

INSPECTION SUMMARY

The deficiency noted during the last inspection on 5-10-2007 was for excessive total iron exceedences in the mine water discharge. Since that time, West Ridge has implemented a NALCO chemical flocculent treatment system underground to settle out the iron in the mine water prior to discharge. A settlement agreement was finalized in late 2007 and administrative penalty was paid thereafter to formally resolve the violations. This reconnaissance inspection was limited to outside the mine where the water collection and distribution systems are exposed. The two outfall locations were observed as well as the receiving waters of "C" Canyon Drainage. At the time of the inspection, the mine water discharge was the only flow in "C" Canyon and the discharge was not observed downstream in Grassy Trail Creek, which was also dry. The discharge appeared to be mostly clear with no problems noted. Also, DWQ sampling crew, A. Hultquist and A. Anderson, arrived on site later that day and collected discharge compliance samples from Outfall 002 for TDS, TSS, iron, and oil & grease.

DEFICIENCIES

No deficiencies were noted during the inspection.

REQUIREMENTS

None.